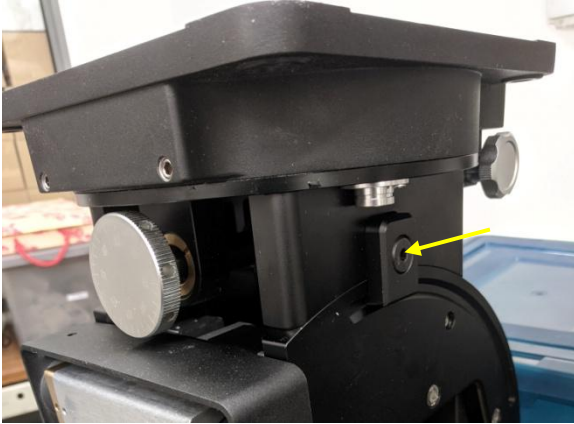


CEM120 Belt Tension Adjustment

Tool need: a set of metric hex keys, a small flat head screwdriver

RA Belt Adjustment

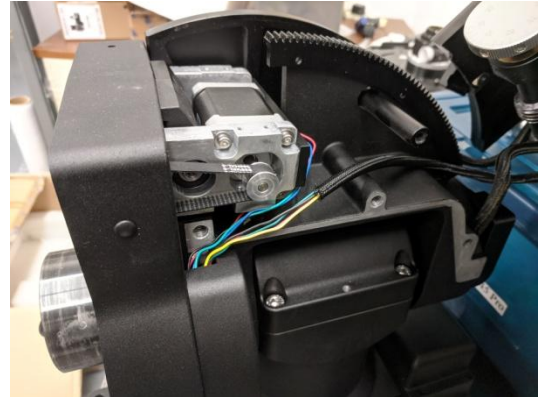
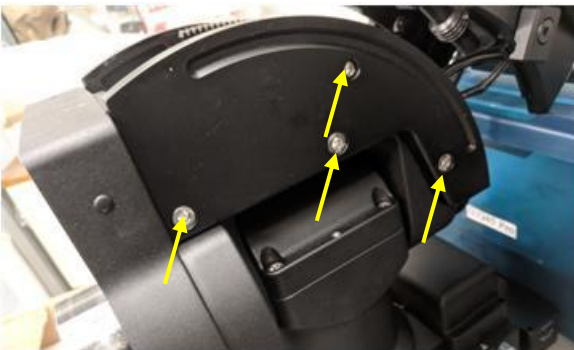
1. Locking both RA and DEC axle at Zero Position. Release both gear switches. Flip the mount head to let it sit on dovetail saddle. Release altitude locking screws on both sides



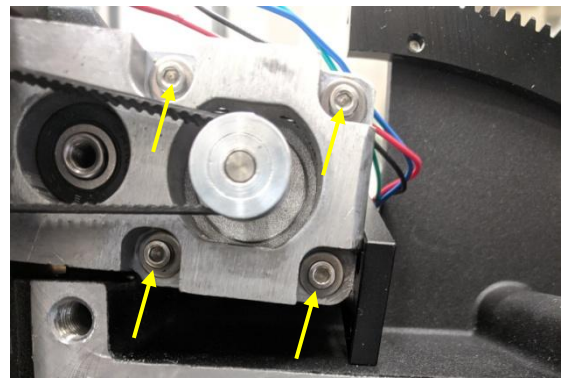
2. Separate the mount base from the mount head. Put the base on an elevated surface, such as a plastic box. So you do not need disconnect all the cables.



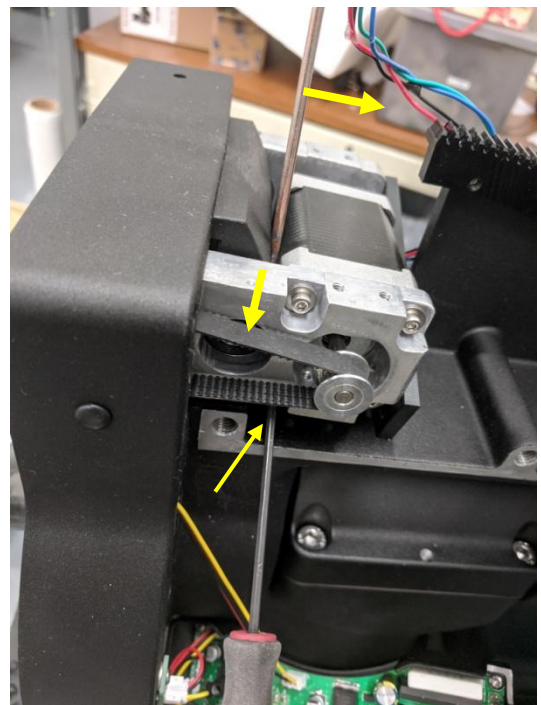
3. Remove 4 socket screws to separate mount left supporting plate.



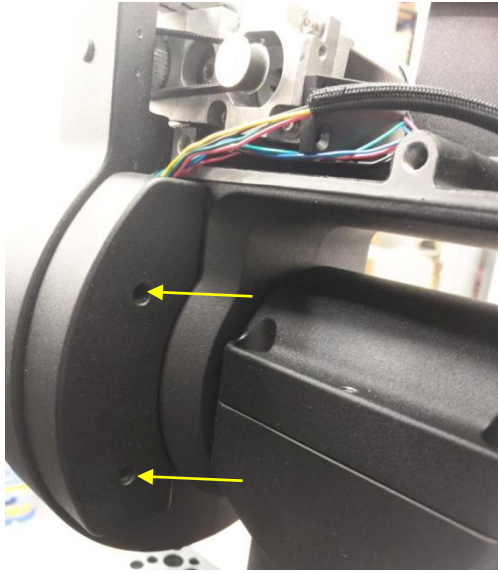
4. The motor was secured using 4 small screws. To adjust the belt tension, loosen these screws a little bit.



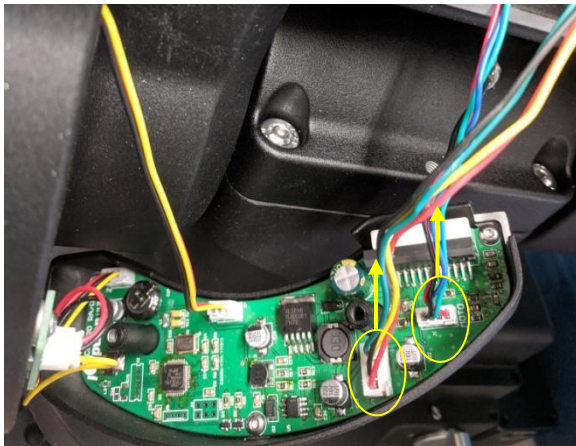
5. Tension the motor properly. If need more tension, insert a flat top screwdriver and gently push the motor outwards while tightening the screws. When the belt can be pushed down 3~5mm, it should be about the correct tension.



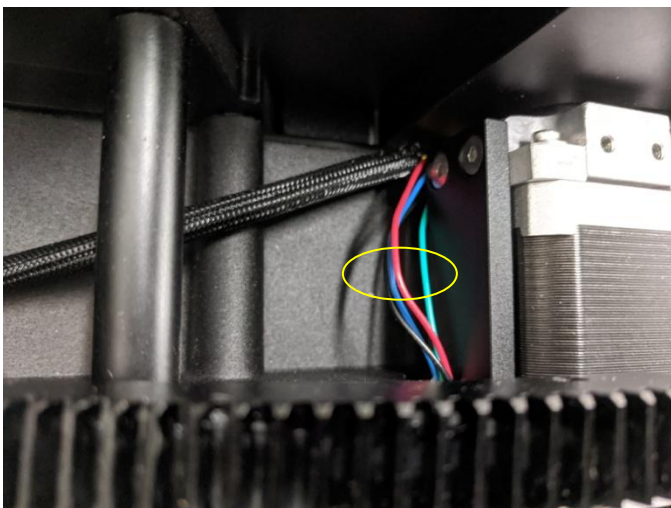
6. To avoid wire being jammed when put the side plate back, we suggest disconnecting the motor and RA cables first. Remove two screws that hold the RA control board cover.



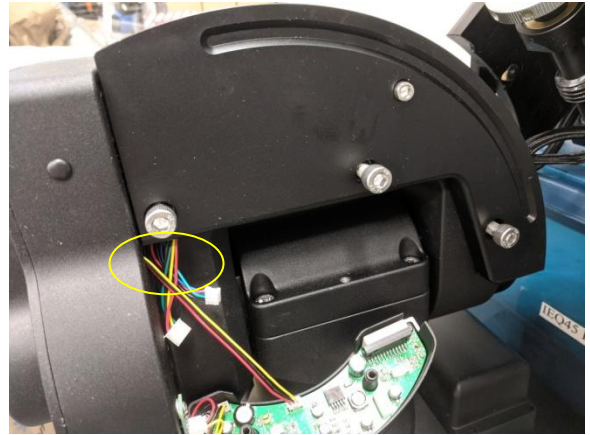
7. Disconnect the RA control cable to the main board and RA motor cable.



8. Check the motor cable to make sure it is not stuck between the motor and mount body.



9. Put the side cover on. Thread the cables out of the edge of the cover. Put one 4 screws, but not fully tightened.



10. Pulling the cables gently while push the side cover against the mount to make sure they are not jammed between the side cover and mount body.

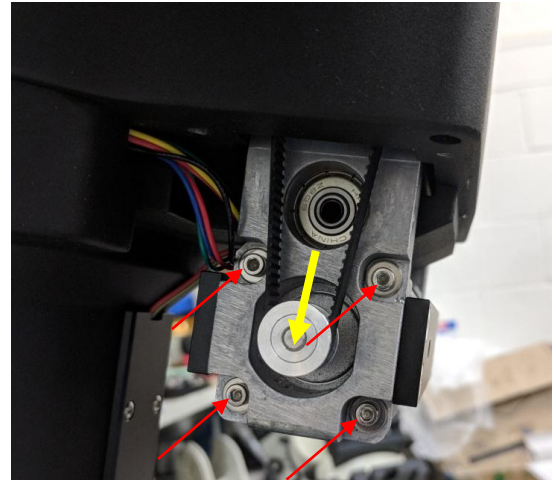


11. After secure the side cover. Put the base back onto and lock the ALT locking screws.



DEC Belt Adjustment

Rotate the mount in RA to expose the DEC motor cover under the DEC saddle. There are 4 hex head screws hold it in place. Remove them to remove the motor cover.



Slightly release 4 screws that hold the motor on worm assembly. To tighten the belt, gently push the motor outward. Hold the motor while tightening the screws. Check the mount performance before put the cover on.